



## SEQUENCE LISTING

<110> Lane, David  
   
    Bottger, Volker  
   
    Bottger, Angelica  
   
    Picksley, Stephen  
   
    Chene, Patrick  
   
    Hochkeppel, Heinz-Kurt  
   
    Garcia-Echeverria, Carlos  
   
    Furet, Pascal  
   
  
   
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    <141> 1999-01-05  
   
  
   
    <150> PCT/EP97/03549  
   
    <151> 1997-07-04  
   
  
   
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phenylalanine, aspartic acid, tyrosine ,

□

tryptophan and leucine are L-amino acids

□

□

<220>

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□

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□

glutamine

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□

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□

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<210> 29  
□  
<211> 15  
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□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Pro  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (15)  
□  
<223> X = Tyr-NH2  
□  
□  
<400> 29  
□  
Xaa Arg Pro Ala Leu Val Phe Ala Asp Tyr Trp Glu Thr Leu Xaa  
□  
1 5 10 15  
□  
□  
□  
<210> 30  
□

*C  
Cont*

<211> 15  
□  
<212> PRT  
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<220>  
□  
<221> VARIANT  
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□  
<223> X = Ac-Pro  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (15)  
□  
<223> X = His-NH2  
□  
  
□  
<400> 30  
□  
Xaa Ala Phe Ser Arg Phe Trp Ser Asp Leu Ser Ala Gly Ala Xaa  
□  
1 5 10 15  
□  
  
□  
<210> 31  
□  
<211> 12  
□  
<212> PRT  
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<220>  
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<223> Description of Artificial Sequence:peptide  
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C  
Cont

<220>  
□  
<221> VARIANT  
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<222> (12)  
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<223> X = Phe-NH2  
□  
□  
<400> 31  
□  
Thr Gly Pro Ala Phe Thr His Tyr Trp Ala Thr Xaa  
□  
1 5 10  
□  
□

□  
<210> 32  
□  
<211> 12  
□  
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<213> Artificial Sequence  
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<220>  
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□  
<220>  
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<221> VARIANT  
□  
<222> (12)  
□  
<223> X = Asn-NH2  
□

□  
<400> 32  
□  
Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Xaa  
□  
1 5 10  
□

□  
<210> 33  
□  
<211> 14  
□

C  
Cont

<212> PRT  
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<213> Artificial Sequence  
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<220>  
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<223> Description of Artificial Sequence:peptide  
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□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Cys(Acrlid) or Ac-Cys  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (14)  
□  
<223> X = Pro-NH2  
□  
  
□  
<400> 33  
□  
Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Xaa  
□  
1 5 10  
□  
  
□  
<210> 34  
□  
<211> 14  
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<212> PRT  
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<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
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□  
<220>  
□

*C  
Cont*

<221> VARIANT  
□  
<222> (14)  
□  
<223> X = Pro-NH2  
□  
  
□  
<220>  
□  
<221> UNSURE  
□  
<222> (1)  
□  
<223> X = Ac-Cys  
□  
  
□  
<400> 34  
□  
Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Xaa  
□  
1 5 10  
□  
  
□  
  
□  
<210> 35  
□  
<211> 10  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Cys (Acrd)  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (10)  
□

*C  
Cont*

<223> X = Pro-NH2  
□  
□  
<400> 35  
□  
Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa  
□  
1 5 10  
□  
□  
□  
<210> 36  
□  
<211> 10  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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□  
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□  
<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Cys  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (10)  
□  
<223> x = Pro-NH2  
□  
□  
<400> 36  
□  
Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa  
□  
1 5 10  
□  
□  
□

C  
Cont

<210> 37  
□  
<211> 9  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac=Cys (Acrd)  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (9)  
□  
<223> X = Pro-NH2  
□  
  
□  
<400> 37  
□  
Xaa Pro Thr Phe Ser Asp Leu Trp Xaa  
□  
1 5  
□  
  
□  
□  
<210> 38  
□  
<211> 9  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
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Cmt*

□  
<220>  
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<221> VARIANT  
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□  
<223> x = Ac-Cys  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (9)  
□  
<223> X = Pro-NH2  
□  
  
□  
<400> 38  
□  
Xaa Pro Thr Phe Ser Asp Leu Trp Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 39  
□  
<211> 16  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> X = Biotin-Ser  
□  
  
□  
<220>  
□

C  
Cont

<221> VARIANT  
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<222> (16)  
□  
<223> X = Pro-NH<sub>2</sub>  
□  
  
□  
<400> 39  
□  
Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Xaa  
□  
1 5 10 15  
□  
  
□  
  
□  
<210> 40  
□  
<211> 16  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Biotin-Ser  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (16)  
□  
<223> X = Pro-NH<sub>2</sub>  
□  
  
□  
<400> 40  
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Xaa Gly Ser Gly Gln Pro Thr Phe Ser Asp Leu Trp Lys Leu Leu Xaa  
□  
1 5 10 15  
□

C  
cont.

□  
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<210> 41  
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<211> 16  
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<212> PRT  
□  
<213> Artificial Sequence  
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<220>  
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□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> Biotin-Ser  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (16)  
□  
<223> X = Pro-NH2  
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□  
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Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp Tyr Trp Lys Leu Leu Xaa  
□  
1 5 10 15  
□  
□  
□  
<210> 42  
□  
<211> 29  
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<212> PRT  
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<213> Artificial Sequence  
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*C  
Cont.*

<220>  
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<221> VARIANT  
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<222> (1)  
□  
<223> Biotin-Ser  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (29)  
□  
<223> X = Lys-NH2  
□  
  
□  
<400> 42  
□  
Xaa Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn Arg Gln Ile  
□  
1 5 10 15  
□  
  
□  
Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa  
□  
20 25  
□  
  
□  
  
□  
<210> 43  
□  
<211> 16  
□  
<212> PRT  
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<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
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□  
<400> 43  
□

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Conj.

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
□  
1 5 10 15  
□  
□  
□  
<210> 44  
□  
<211> 31  
□  
<212> PRT  
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<213> Artificial Sequence  
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<220>  
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<223> Description of Artificial Sequence:peptide  
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□  
<220>  
□  
<221> VARIANT  
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<223> X = Ac-Ala  
□  
□  
<220>  
□  
<221> VARIANT  
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<222> (17)  
□  
<223> product = bAla  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (30)  
□  
<223> product = bAla  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (31)  
□

C  
Cont.

<223> X = Lys(Biotin)-NH2  
□  
□  
<400> 44  
□  
Xaa Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro  
□  
1 5 10 15  
□  
□  
Ala Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn Ala Xaa  
□  
20 25 30  
□  
□  
□  
<210> 45  
□  
<211> 16  
□  
<212> PRT  
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<213> Artificial Sequence  
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<223> Description of Artificial Sequence:peptide  
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<400> 45  
□  
Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro  
□  
1 5 10 15  
□  
□  
□  
<210> 46  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
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<220>  
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<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Cys  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
  
□  
<400> 46  
□  
Xaa Thr Phe Ser Asp Tyr Trp Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 47  
□  
<211> 8  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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<220>  
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<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Cys  
□  
  
□  
<220>  
□

I  
C  
Cont

<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
  
□  
<400> 47  
□  
Xaa Thr Phe Ser Asp Tyr Trp Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 48  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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<220>  
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<221> VARIANT  
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<222> (1)  
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<223> x = Ac-Cys  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
  
□  
<400> 48  
□  
Xaa Ala Phe Thr His Tyr Trp Xaa  
□  
1 5  
□

C  
Cont

□  
□  
<210> 49  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
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<220>  
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□  
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<221> VARIANT  
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<222> (1)  
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<223> X = Ac-Cys  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
□  
<400> 49  
□  
Xaa Ala Phe Thr His Tyr Trp Xaa  
□  
1 5  
□  
□  
□  
<210> 50  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
□

I  
C  
Cont

<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> x = Ac-Cys  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
  
□  
<400> 50  
□  
Xaa Arg Phe Met Asp Tyr Trp Xaa  
□  
1 5  
□  
  
□  
<210> 51  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
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<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Cys  
□

C  
Cont.

□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Cys-NH2  
□  
  
□  
<400> 51  
□  
Xaa Arg Phe Met Asp Tyr Trp Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 52  
□  
<211> 8  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Glu  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Lys-NH2  
□  
  
□  
<400> 52  
□

C  
↓  
Cont

Xaa Thr Phe Ser Asp Tyr Trp Xaa  
□  
1 5  
□  
□  
□  
<210> 53  
□  
<211> 8  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = CO-NH bridge (lactam peptide derivative)  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Glu  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = CO-NH bridge (lactam peptide derivative)  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□

C  
Cont

<223> X = Lys-NH2  
□  
□  
<400> 53  
□  
Xaa Arg Phe Met Asp Tyr Trp Xaa  
□  
1 5  
□  
□  
□  
<210> 54  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
□  
<220>  
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<223> Description of Artificial Sequence:peptide  
□  
□  
<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> X = Ac-Phe  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (3)  
□  
<223> Product = Aib  
□  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (6)  
□  
<223> Product = Aib  
□  
□

C  
Cont

<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Leu-NH2  
□  
  
□  
<400> 54  
□  
Xaa Met Xaa Tyr Trp Xaa Gly Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 55  
□  
<211> 9  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Arg  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (4)  
□  
<223> Product = Aib  
□  
  
□  
<220>  
□  
<221> VARIANT  
□

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Cont.*

<222> (7)  
□  
<223> Product = Aib  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (9)  
□  
<223> X = Leu-NH2  
□  
  
□  
<400> 55  
□  
Xaa Phe Met Xaa Tyr Trp Xaa Gly Xaa  
□  
1 5  
□  
  
□  
<210> 56  
□  
<211> 9  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> x = Ac-Arg  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (4)  
□  
<223> Product = Aib  
□

C  
Cont.

□  
<220>  
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<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Ac3c  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (9)  
□  
<223> X = Leu-NH2  
□  
  
□  
<400> 56  
□  
Xaa Phe Met Xaa Tyr Trp Glu Xaa Xaa  
□  
1 5  
□  
  
□  
<210> 57  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> X = Ac-Phe  
□  
  
□  
<220>  
□

C  
Cont.

<221> VARIANT  
□  
<222> (3)  
□  
<223> Product = Aib  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (6)  
□  
<223> Product = Aib  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (7)  
□  
<223> X = Ac3c  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Leu-NH2  
□  
  
□  
<400> 57  
□  
Xaa Met Xaa Tyr Trp Xaa Xaa Xaa  
□  
1 5  
□  
  
□  
<210> 58  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□

C  
Cont

<223> Description of Artificial Sequence:peptide

□

□

<220>

□

<221> VARIANT

□

<222> (1)

□

<223> X = Ac-Phe

□

□

<220>

□

<221> VARIANT

□

<222> (3)

□

<223> Product = Aib

□

□

<220>

□

<221> VARIANT

□

<222> (7)

□

<223> x = Ac3c

□

□

<220>

□

<221> VARIANT

□

<222> (8)

□

<223> x = Leu-NH2

□

□

<400> 58

□

Xaa Met Xaa Tyr Trp Gln Xaa Xaa

□

1

5

□

□

<210> 59

□

<211> 9

□

<212> PRT

□

C  
Cont

<213> Artificial Sequence  
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<220>  
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□  
<221> VARIANT  
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<223> x = Ac-Arg  
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□  
<220>  
□  
<221> VARIANT  
□  
<222> (9)  
□  
<223> X = Leu-NH2  
□  
□  
<400> 59  
□  
Xaa Phe Met Asp Tyr Trp Glu Gly Xaa  
□  
1 5  
□  
□  
□  
<210> 60  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
□  
<220>  
□  
<221> VARIANT  
□

I  
C  
Cont.

<222> (1)  
□  
<223> x = Ac-Phe  
□  
  
□  
<220>  
□  
<221> VARIANT  
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<222> (8)  
□  
<223> x = Leu-NH<sub>2</sub>  
□  
  
□  
<400> 60  
□  
Xaa Met Asp Tyr Trp Glu Gly Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 61  
□  
<211> 8  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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<220>  
□  
<221> VARIANT  
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<222> (1)  
□  
<223> x = Ac-Phe  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (3)  
□  
<223> product = Aib  
□

I  
C  
cont.

□  
<220>  
□  
<221> VARIANT  
□  
<222> (8)  
□  
<223> x = Leu-NH2  
□  
  
□  
<400> 61  
□  
Xaa Met Xaa Tyr Trp Glu Gly Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 62  
□  
<211> 8  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (1)  
□  
<223> x = Ac-Phe  
□  
  
□  
<220>  
□  
<221> VARIANT  
□  
<222> (6)  
□  
<223> Product = Aib  
□  
  
□  
<220>  
□

C  
Cont

<221> VARIANT  
□  
<222> (8)  
□  
<223> X = Leu-NH2  
□  
  
□  
<400> 62  
□  
Xaa Met Asp Tyr Trp Xaa Gly Xaa  
□  
1 5  
□  
  
□  
  
□  
<210> 63  
□  
<211> 12  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□  
<400> 63  
□  
Val Gln Asn Phe Ile Asp Tyr Trp Thr Gln Gln Phe  
□  
1 5 10  
□  
  
□  
  
□  
<210> 64  
□  
<211> 12  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□  
  
□

C  
Cont.

<400> 64  
□  
Thr Gly Pro Ala Phe Thr His Tyr Trp Ala Thr Phe  
□  
1 5 10  
□

□  
<210> 65  
□  
<211> 14  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□

□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□

□  
<400> 65  
□  
Ile Asp Arg Ala Pro Thr Phe Arg Asp His Trp Phe Ala Leu  
□  
1 5 10  
□

□  
<210> 66  
□  
<211> 15  
□  
<212> PRT  
□  
<213> Artificial Sequence  
□

□  
<220>  
□  
<223> Description of Artificial Sequence:peptide  
□

□  
<400> 66  
□  
Pro Ala Phe Ser Arg Phe Trp Ser Asp Leu Ser Ala Gly Ala His  
□  
1 5 10 15  
□

C  
Cont

□  
<210> 67  
□  
<211> 30  
□  
<212> DNA  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
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□  
<400> 67  
□  
gcggatccga tggtgaggag caggcaaatg 30  
□

□  
<210> 68  
□  
<211> 33  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□

□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
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□  
<400> 68  
□  
gcctgcagcc taattcgatg gcgtccctgt aga 33  
□

□  
<210> 69  
□  
<211> 32  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□

□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
□

C  
Cont

□  
<400> 69  
□  
gcctgcagct agggaaata agttagcaca at 32  
□  
  
□  
<210> 70  
□  
<211> 32  
□  
<212> DNA  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
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□  
<400> 70  
□  
gcctgcagct aatcttcattt aatgtatct gt 32  
□  
  
□  
<210> 71  
□  
<211> 27  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
□  
  
□  
<400> 71  
□  
ggggatcctg aaatttcattt agctgac 27  
□  
  
□  
<210> 72  
□  
<211> 29  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□

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Cmt

□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
□  
  
□  
<400> 72  
□  
gcggatccat ggtgaggagc aggcaaatg 29  
□  
  
□  
<210> 73  
□  
<211> 22  
□  
<212> PRT  
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<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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<220>  
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<221> VARIANT  
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<222> (1)  
□  
<223> X = Biotin-Ser  
□  
  
□  
<400> 73  
□  
Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu  
□  
1 5 10 15  
□  
  
□  
Trp Lys Leu Leu Pro Glu  
□  
20  
□  
  
□  
<210> 74  
□  
<211> 18  
□

*C  
Cont*

<212> PRT  
□  
<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:peptide  
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□  
<400> 74  
□  
Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro  
□  
1 5 10 15  
□  
  
□  
Glu Asn  
□  
  
□  
  
□  
<210> 75  
□  
<211> 57  
□  
<212> DNA  
□  
<213> Artificial Sequence  
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□  
<220>  
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<223> Description of Artificial Sequence:primer DNA  
□  
  
□  
<400> 75  
□  
gtccgcctct gagtcaggaa acatttcag acctatggaa actacttcct gaaaacg 57  
□  
  
□  
<210> 76  
□  
<211> 58  
□  
<212> DNA  
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<213> Artificial Sequence  
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C  
Cont

<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
□  
□  
<400> 76  
□  
gaccgtttc aggaagtagt ttccataggt ctgaaaaatg tttcctgact cagaggcg 58  
□  
□  
<210> 77  
□  
<211> 57  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
□  
<220>  
□  
<223> Description of Artificial Sequence:oligomeric DNA  
□  
□  
<400> 77  
□  
gtccgcctct gagtcaggaa acattttagt acctatggaa actacttcct gaaaacg 57  
□  
□  
<210> 78  
□  
<211> 57  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
□  
<220>  
□  
<223> Description of Artificial Sequence:oligomeric DNA  
□  
□  
<400> 78  
□  
gaccgtttc aggaagtagt ttccataggt ctgaaaaatgt ttcctgactc agaggcg 57  
□  
□  
<210> 79  
□  
<211> 57  
□

*C  
Cont.*

□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:oligomeric DNA  
□  
  
□  
<400> 79  
□  
gtccgcctgt gagtatgcct cgtttatgg attattggga gggcttaat gaaaacg 57  
□  
  
□  
<210> 80  
□  
<211> 59  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:oligomeric DNA  
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□  
<400> 80  
□  
gaccgttttc attaagaccc tcccaataat ccataaaacg aggcataactc tcagaggcg 59  
□  
  
□  
<210> 81  
□  
<211> 35  
□  
<212> DNA  
□  
<213> Artificial Sequence  
□  
  
□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
□  
  
□  
<400> 81  
□  
cgggatccac catggcgat aaaattattc acctg 35  
□

C  
Cont

□  
<210> 82  
□  
<211> 29  
□  
<212> DNA  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:primer DNA  
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□  
<400> 82  
□  
ctcgacgcta acctggccta ggaaattcc  
□

29

□  
<210> 83  
□  
<211> 6  
□  
<212> PRT  
□  
<213> Artificial Sequence  
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□  
<220>  
□  
<223> Description of Artificial Sequence:peptide, amin  
□  
acid residues 18-23 of human p53  
□

□  
<400> 83  
□  
Thr Phe Ser Asp Leu Trp  
□

1

5

□

□

□

□

C  
cont